

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s) : Jens JENSEN et al.  
Serial No. : 10/564,697  
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Entitled : METHOD, SYSTEM AND SOFTWARE ARRANGEMENT  
FOR MEASURING MAGNETIC FIELD CORRELATION  
Group Art Unit : 2831  
Examiner : Brij B. Shrivastav  
Confirmation No. : 2233

Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO NON-FINAL OFFICE ACTION**

SIR:

This paper is filed in response to the Non-Final Office Action dated May 8, 2009 (the "Office Action"). Please amend the above-identified application and consider the remarks as set forth herein below.

**In The Claims:**

Please cancel claim 4 without prejudice, amend claims 1, 5, 6, 13, 25 and 37, and add new claims 40-51, as provided below in the associated claim listing on separate sheets: